Land Use and Watershed Management



Presentation for Urban County Council November 5, 2013



Susan Plueger, P.E. - Division of Water Quality

Presentation Topics

- 1. Status of LFUCG's MS4 Permit
- 2. Upcoming Revisions to Engineering Manuals

Status of LFUCG's MS4 Permit

- 5-year permit to discharge stormwater into waters of the Commonwealth
- 2. September 1, 2009 August 31, 2014
- 3. 167 Measureable Goals for preventing or reducing pollution in stormwater runoff



Stormwater Quality Management Program

- 1. Legal Prohibition (Ordinances)
- 2. Watershed Management
- 3. Public Education and Outreach
- 4. Public Involvement and Participation
- 5. Illicit Discharge Detection and Elimination
- 6. Construction Site Runoff Control
- Pollution Prevention in Residential and Commercial Areas
- 8. Pollution Prevention for Municipal Operations
- 9. Pollution Prevention for Industrial Facilities
- 10. Water Quality Monitoring
- 11. Reporting & Record Keeping

MS4 Permit 5th Year Process

- DWQ and Tetratech (Project Manager) are conducting review of each program element.
- Staff and Stormwater Stakeholder Advisory Committee are holding meetings to evaluate Measurable Goals for next permit cycle.
- LFUCG's application for permit renewal is due on March 1, 2014 to Kentucky Division of Water.

Stormwater Stakeholder Advisory Committee

- LFUCG (UCC, Planning Commission, EQ&PW)
- Non-LFUCG Governmental Agencies (e.g. FCPS, UK, KYTC, VA Hospital...)
- Private Sector (e.g. Commerce Lexington, Homebuilders Association of Lexington, Lexington-Bluegrass Association of Realtors...)
- Citizen's Groups (e.g. Fayette Alliance, Fayette County Neighborhood Council, Friends of Wolf Run, Friends of Cane Run, Bluegrass Greensource...)
- Open Seat watershed representatives

Pending EPA Stormwater Rule

- May prescribe stormwater control standards for redevelopment
- 2. May contain requirements to "retain" runoff on new development using green infrastructure
- 3. EPA Rule will be reflected in new permit
- 4. EPA Rule and MS4 Permit will impact Engineering Manuals

What is Green Infrastructure?

Mimics stormwater runoff patterns of pre-development

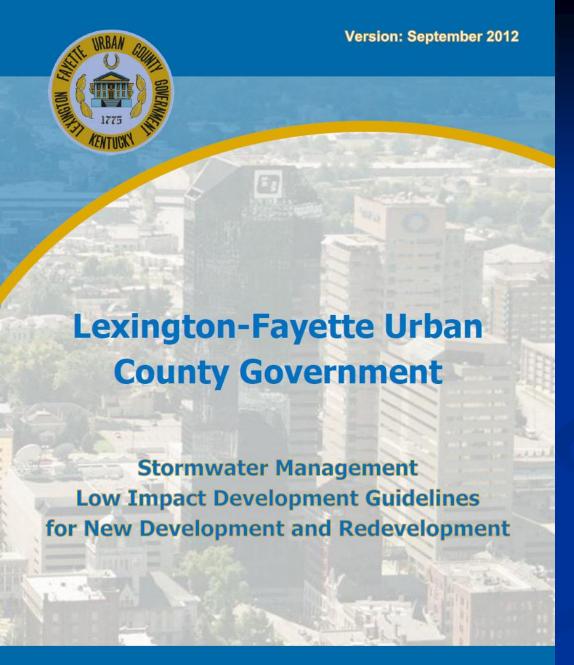
Permeable Pavements, Infiltration BMPs, Vegetated Roofs, Rainwater Harvesting

EVAPO-TRANSPIRATE









Consent Decree & MS4 Permit Requirements

- Text revisions to
 Subdivision Regulations in
 2010 to remove barriers to
 green infrastructure
- \$230,000 on Green
 Infrastructure Projects
 within 5 years as a
 Supplemental
 Environmental Project
- Develop LID guidelines by Sept. 2012
 - Standards for when appropriate

Eastern State Hospital Bull Lea Road – New Dev.

- 2012-13-bioretention/detention

Rod Hatfield Chevrolet New Circle Road Addition

- 2013
- Permeable pavers



Northside RV N. Broadway - Addition

- 2013
- 42,120 sf pervious asphalt



Status of LFUCG's MS4 Permit

Current LFUCG MS4 Permit	September 1, 2009 to August 31, 2014
State Inspection of LFUCG	October 31, 2012
MS4 Permit 5 th Year Internal Review	Summer 2013 thru Spring 2014
MS4 Permit Renewal Application Due	March 1, 2014
New LFUCG 5-year MS4 Permit	September 1, 2014 to August 31, 2019

Presentation Topics

- 1. Status of LFUCG's MS4 Permit
- 2. Upcoming Revisions to Engineering Manuals

Revisions to the Engineering Manuals

- Modify to reflect current government organization and processes
- Modify to reflect new MS4 Permit requirements
- Incorporate new green infrastructure standards
- Clarify Manuals' design and submittal requirements for development

Draft Schedule for Manual Revisions

Staff Input: August – December 2013

Stakeholder Input: January – June 2014

MS4 permit issued: September 2014

Revisions per Final Permit: Fall 2014

To Planning Commission and Urban County Council

Questions?

